

WHAT IS CLAIMED IS:

1 1. A multi-sided input device useful for operating one or more corresponding
2 computer-related apparatuses, the device comprising:

3 at least two sets of input controls;

4 a module having a plurality of substantially planar surfaces, the surfaces including
5 first and second opposite surfaces each having a corresponding set of input
6 controls disposed thereon;

7 means for positioning a selected one of the sets of input controls in a more user-
8 accessible position,

9 wherein each of the sets of input controls has a sufficient number of the input
10 controls to operate the corresponding computer-related apparatus;

11 means for operatively connecting one of the sets to the computer-related
12 apparatus, whereby operation of the selected set of input controls is transmitted to
13 the computer-related apparatus;

14 a base having portions defined so as to movably secure the module to the base, the
15 portions of the base configured so that one of the sets of input controls is
16 substantially inaccessible while at least one of the other sets is more readily
17 accessible;

18 means for movably securing the module to the base.

1 2. The device of claim 1, in which the computer-related apparatus comprises a
2 combination personal digital assistant (PDA) and cellphone in a housing having a display
3 integrated therein, the module of the input device having a generally planar configuration, the
4 first set of input controls comprising a keypad and the second set of input controls comprising a
5 touchpad, the module configured to be removably secured to the housing with one of the sets of
6 input controls facing outwardly for user access and the other set facing inwardly, the module

7 configured so that the outwardly facing set of input controls is operatively connected to the
8 combination PDA-cellphone and to the display screen.

1 3. The device of claim 2, further comprising at least one fixed input control
2 integrally secured to the housing, the input control changing function depending on which of the
3 sets of input controls is in operative position.

1 4. The device of claim 3, wherein the fixed input control functions as a redial button
2 when the keypad is in operative position and as a mouse button when the touchpad is in
3 operative position.

1 5. The device of claim 2, wherein the module is connected relative to the housing by
2 means of a tether.

1 6. The device of claim 1, wherein the computer-related apparatus comprises a
2 combination calculator-cellphone in a housing having a display screen integrated therein, the
3 module of the input device having a generally planar configuration, the first set of input controls
4 comprising an alphanumeric keypad and the second set of input controls comprising a calculator
5 keypad, the module configured to be removably secured to the housing with one of the sets of
6 input controls facing outwardly for user access and the other set facing inwardly, the module
7 further configured so that the outwardly facing set of input controls is operatively connected to
8 the combination calculator-cellphone.

1 7. A multi-sided input device useful for operating one or more corresponding
2 computer-related apparatuses, the device comprising:

3 at least two sets of input controls;

4 a module having a plurality of substantially planar surfaces defined on the device,
5 the surfaces including first and second opposite surface each having a
6 corresponding set of input controls disposed thereon;

7 means for positioning a selected one of the sets of input controls in a more user-
8 accessible position,

9 wherein each of the set of input controls has a sufficient number of the input
10 controls to operate the corresponding computer-related apparatus;

11 wherein the module comprises a two-sided remote for operating at least two
12 computer-related apparatuses selected from the group consisting of a computer for
13 associated applications or the internet, a television, a CD/DVD player, a stereo
14 and a game player.

1 8. The device of claim 7, wherein one of the computer-related apparatuses comprises
2 a TV, and wherein the remote includes a set of input controls having TV-related functions.

1 9. The device of claim 7, wherein the two, computer-related apparatuses include a
2 stereo.

1 10. The device of claim 7, wherein the two, computer-related apparatuses include a
2 game console.

1 11. A multi-sided input device for operating one or more electronic apparatuses, the
2 device comprising:

3 at least three sets of input controls, each set sufficient to operate at least one of the
4 electronic apparatuses;

5 a plurality of user-accessible surfaces, the surfaces sized to contain substantially
6 all of the input controls of a corresponding set.

1 12. The device of claim 11, further comprising means for operatively connecting a
2 selected one of the sets of input controls to a corresponding electronic apparatus.

1 13. The device of claim 12, wherein the connecting means comprises a gravity switch
2 responsive to rotation of the module to activate a set of input controls in a user-accessible
3 position.

1 14. The device of claim 11, wherein one of the electronic apparatuses comprises a
2 computer, wherein the input device operates two different software applications on the computer,

3 and wherein the module comprises two corresponding sets of input controls for the two different
4 software applications.

1 15. The device of claim 11, wherein the surfaces on which the sets of input controls
2 are disposed are substantially planar.

1 16. The device of claim 11, wherein the input device comprises a housing with an
2 outer surface, and the user-accessible surfaces are arranged to face outwardly along the outer
3 surface of the housing.

1 17. The device of claim 11, wherein the input device has a somewhat block-shaped
2 form, the surfaces on which the sets of input controls are disposed comprising faces of the block-
3 like form.

1 18. The device of claim 17, further comprising four sets of the input controls, wherein
2 the input device has two opposite end faces and four side faces, the user-accessible surfaces on
3 which the input controls are disposed corresponding to the four side faces.

1 19. The device of claim 18, wherein the four sets of input controls comprise an
2 alphanumeric keyboard, a stereo remote, a TV remote, and a game controller.

1 20. A multi-media system, the system having a plurality of electronic subsystems for
2 reading or processing information from corresponding information sources, the subsystems
3 selected from the group consisting of a computer for associated applications or the internet, a
4 television, a CD/DVD player, a stereo and a game console, the system further comprising a
5 multi-sided input device for operating the plurality of subsystems, the input device comprising
6 input controls grouped into sets sufficient to operate at least one corresponding electronic
7 subsystem, the device further comprising a plurality of user activatable surfaces, the surfaces
8 sized to contain substantially all of the input controls of a corresponding set.

1 21. The system of claim 20, comprising a television and another electronic
2 subsystem, wherein the input device comprises a two-sided remote having TV controls on one
3 side and controls for the electronic subsystem on the other side.

1 22. The system of claim 20, comprising two different electronic subsystems, wherein
2 the input device comprises two sets of input controls, one for each of the two different electronic
3 subsystems.

1 23. The system of claim 22, wherein the two electronic subsystems comprise the
2 computer and another one of the electronic subsystems, wherein one set of input controls
3 comprises an alphanumeric keyboard.

1 24. The system of claim 20, further comprising a base to which the input control
2 device is secured.

1 25. The system of claim 24, wherein the input control device is rotatably secured to
2 the base so that rotation of the input control device brings the surfaces on which the sets of input
3 controls are disposed into more user accessible positions in a serial fashion as the device is
4 rotated.

1 26. The system of claim 24, wherein the input device is removably mounted to the
2 base to switch between different sets of input controls by removing the input control device from
3 the base, repositioning it, and resecuring it to the base.

1 27. The system of claim 24, wherein the input control device is operatively associated
2 with the system but it a separate component therefrom.

 28. The system of claim 24, wherein the input control device is integrated into a
housing of the system.